

PENOSIL

TECHNICAL DATA SHEET

PENOSIL Wood Sealant 698

Acrylic sealant for wooden joints

High-quality, one-component plasto-elastic sealant based on siliconized acrylic dispersions that cures through water evaporation. Creates a flexible and durable seal with a smooth, professional finish.

Main benefits

- Excellent multi-material adhesion, especially on common wood surfaces
- Fast drying and ready to paint in just 2 hours
- Elastic formula that resists cracking with minimal shrinkage
- Low odor
- Easy to apply, and washable with water
- Available in more than 10 colors and compatible with paints and varnishes

Fields of application

- Sealing joints between wooden elements such as baseboards, cabinets, furniture, and parquet.
- Sealing joints between wood and masonry, including sealing window and door frames.
- Sealing joints in window sills.
- Quick repairs before painting.
- Flexible sealing of low-movement joints between porous and non-porous materials such as wood, ceramic, glass, lacquered aluminum, PVC, and polycarbonate.



Colour

White, Walnut, Cherry, Mahogany, Oak, Beech, Pine, Sapele, Linen, Cancún, Wenge, Light Gray, and Dark Gray Oak.

Package

300 ml cartridge, 12 cartridges in a box

Storage conditions and shelf life

Guaranteed shelf life 18 months from the manufacturing date when stored in closed original package in a dry place at temperatures between +5 °C and +30 °C.

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Adhering

- Wood
- Furniture boards
- Parquet
- Concrete
- Gypsum board
- Masonry
- PVC
- Polycarbonate
- Treated metals
- Ceramics
- Glass

Technical classifications and certificates

- Sealant for façade for interior and exterior application
EN 15651-1:2012: Type F-INT

Technical data

Properties	Value	Unit
Basis	Acrylic	
Tack free time	2h	minutes
Curing Rate	24h	mm/24h
Application temperature	+5...+40	°C
Service temperature	-20...+80	°C
Shore A hardness (ISO 868)	29	
E-Modulus 100% (ISO 37)	0,60	N/mm ²
Tensile strength (ISO 37)	0,50	N/mm ²
Elongation at break (ISO 37)	400%	%
Extrusion rate (4 mm nozzle diameter and 2 bar pressure)	25	g/min
Density (EN-ISO 2811-1)	1,13	g/ml

The parameters indicated have been measured at +23 °C and 50% relative air humidity.

Application instructions

Application conditions

Application temperature between +5 °C and +40 °C.

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Surface preparation

The surfaces must be dry, clean from dust, loose particles and oil. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent excess should be removed before evaporating with a clean cloth.

Application method

Cartridge: cut off the threaded end of the cartridge and screw on the application nozzle for directing sealant. Cut the threaded end in a way where a suitable opening for application is produced. Place the cartridge together with the applicator in the gun and fill the installation nozzle with sealant, by repeatedly pressing the gun trigger.
Apply sealant in the joint by repeatedly and evenly pressing on gun trigger and smoothly dragging the nozzle along the joint. After application, smooth the surface with a suitable tool (e.g., spatula) and remove excess material.
Paintable after the final curing.

Cleaning

Uncured acrylic can be removed with water or with special cleaning wipes.
Cured acrylic should be first removed mechanically and then with a moist cloth.

Limitations

- It should not be applied on bituminous or tar containing substrates, and to materials that bleed oils or plasticizers. Do not use in damp or wet conditions or if rain is imminent.
- Not recommended for applications in constant contact with water.
- Early painting may cause cracking of the paint.
- Due to the wide variety of possible substrates, we recommend a preliminary compatibility and adherence test.
- Due to the wide variety of influences during and after application, the customer must always test the product first.
- The color may change slightly as the product dries.
- Please observe the expiration date!

Safety regulations

Ensure sufficient ventilation during application and wear necessary personal protective equipment.
More specific safety information is available on the safety data sheet (SDS).

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice.
This TDS replaces and supersedes all previous data sheets on the same product.

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